

South & Central America Land Mobile Radio Market Forecast to 2030 - Regional Analysis - by Type (Handheld and In-Vehicle), Technology (Analog and Digital), Frequency (25 - 174 VHF, 200 - 512 UHF, and 700 MHz and Above), and Application (Commercial, Industrial, Public Safety & Government, and Military)

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Abstracts

The South & Central America land mobile radio market was valued at US\$ 137.09 million in 2022 and is expected to reach US\$ 286.41 million by 2030; it is estimated to grow at a CAGR of 9.6% from 2022 to 2030.

Shift from Analog to Digital Radio Systems fuel the South & Central America Land Mobile Radio Market

Analog radio systems have been in the market for a long time and are still used in many applications. These devices only have voice communications and are also known as professional mobile radios or walkie-talkies. As technology emerged, the demand for a better radio system with data communication technology increased from public safety agencies. Customer choice is evolving away from analog LMR systems and toward advanced digital variations that allow both voice and data connections. These cutting-edge technologies improve signal coverage, speech quality, radio capacity, and battery life. The digital radio systems technology provides voice as well as data communications for use by professionals in mission-critical operations for sharing videos or data and accessing intensive applications. Furthermore, digital radio systems provide several additional features over analog radio systems, such as better coverage, high battery life, better connectivity, and data transmission. This is increasing the demand for digital radio systems as a replacement for their analog counterparts.

Several organizations in the market provide digital radio systems confirming different standards for digital wireless communication technology, such as TETRA, DMR, and P25. Transitions from analog to digital radio systems are increasing the applications of radio systems, and as a result, it is driving the land radio mobile market.

South & Central America Land Mobile Radio Market Overview

Over the past few years, the land mobile radio (LMR) market in South America has witnessed a remarkable growth, solidifying its position as a pivotal player in the region's communication landscape. With the ever-increasing need for secure and reliable communication systems across various sectors, such as public safety, transportation, utilities, and industrial enterprises, the demand for LMR solutions is increasing exponentially. South American governments have also recognized the significance of modernizing their communication infrastructure to enhance emergency response capabilities and bolster national security. One of the key drivers behind this growth has been the advancement in LMR technology, offering robust features such as enhanced voice clarity, interoperability, and data capabilities, making them suitable for a wide range of applications. Additionally, the rising trend of digitalization and the migration from analog to digital LMR systems have further fueled the market expansion.

Furthermore, adopting next-generation communication technologies, such as LTE-based mission-critical communications, has played a vital role in stimulating the LMR market. These integrated solutions provide greater connectivity and data-sharing capabilities, enabling organizations to optimize their operations and response times. Therefore, the South American LMR market is expected to grow due to ongoing technological innovations, increased demand from various industries, and the growing emphasis on ensuring reliable and secure communication channels. As governments and enterprises prioritize their investment in modern communication infrastructures, the region is set to witness a dynamic and thriving LMR market landscape in the coming years.

South & Central America Land Mobile Radio Market Revenue and Forecast to 2030 (US\$ Million)

South & Central America Land Mobile Radio Market Segmentation

The South & Central America land mobile radio market is segmented based on type, technology, frequency, application, and country. Based on type, the South & Central America land mobile radio market is bifurcated into handheld and In-vehicle. The

handheld segment held a larger market share in 2022.

Based on technology, the South & Central America land mobile radio market is bifurcated into analog and digital. The analog segment held a larger market share in 2022.

Based on frequency, the South & Central America land mobile radio market is segmented into 25 - 174 VHF, 200 - 512 UHF, and 700 MHz and above. The 700 MHz and above segment held the largest market share in 2022.

Based on application, the South & Central America land mobile radio market is segmented into commercial, industrial, public safety & government, and military. The public safety & government segment held the largest market share in 2022.

Based on country, the South & Central America land mobile radio market is segmented into Brazil, Argentina, and the Rest of South & Central America. Brazil dominated the South & Central America land mobile radio market share in 2022.

Icom Inc, Sepura Ltd, Hytera Communications Corp Ltd, JVCKENWOOD Corp, L3Harris Technologies Inc, Motorola Solutions Inc, Tait Communications Ltd, and Thales SA are some of the leading players operating in the South & Central America land mobile radio market.

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